

IN THE CLAIMS

1. (currently amended) An information processing system, comprising:

a first information processing apparatus operable to authenticate a device;

a second information processing apparatus operable to hold setting information required to connect the device to a network; and

a third information processing apparatus connected to the network based on the setting information;

the first information processing apparatus including:

a first storage unit operable to store first identification information for authenticating the third information processing apparatus, and second identification information for identifying the third information processing apparatus, the first identification information including a device ID and a pass phrase, and the second identification information including a product code and a serial number;

an authenticating unit operable to authenticate the third information processing apparatus based on the first identification information in response to a request from the third information processing apparatus;

a generating unit operable to generate third identification information that is used to connect the third information processing apparatus to the second information processing apparatus, the third identification information including a one-time ID;

a second storage unit operable to store the third identification information in association with the second identification information;

a first sending unit operable to send the third identification information to the third information processing apparatus;

a first receiving unit operable to receive the third identification information from the second information processing unit; and

a second sending unit operable to send the second identification information to the second information processing apparatus;

the second information processing apparatus including:

a third storage unit operable to store the setting information for connecting the third information processing apparatus to the network in association with the second identification information;

a second receiving unit operable to receive the third identification information from the third information processing apparatus;

a third sending unit operable to send the received third identification information to the first information processing apparatus;

a third receiving unit operable to receive the second identification information from the first information processing apparatus; and

a fourth sending unit operable to send the setting information stored in association with the received second identification information to the third information processing apparatus; and

the third information processing apparatus including:

a fourth storage unit operable to store the first identification information;

a requesting unit operable to request the first information processing apparatus to authenticate the third information processing apparatus based on the first identification information stored in the fourth storage unit;

a fourth receiving unit operable to receive the third identification information from the first information processing apparatus;

a fifth sending unit operable to send the received third identification information to the second information processing apparatus; and

a fifth receiving unit operable to receive the setting information from the second information processing apparatus;

~~wherein the first identification information includes a device ID and a pass phrase;~~

~~wherein the second identification information includes a product code and a serial number;~~

~~wherein the third identification information includes a one time ID, the one-time ID being generated in the first information processing apparatus; and~~

~~wherein the setting information includes an Internet service provider connection ID and a password~~

upon acquiring the device ID and the pass phrase, the first information processing apparatus determines the product code and the serial number.

2-25. (canceled)

26. (currently amended) An information processing apparatus operable to authenticate a device, comprising:

a first storage unit operable to store first identification information for authenticating the device, and second identification information for identifying the device, the first identification information including a device ID and a pass phrase and the second identification information including a product code and a serial number;

an authenticating unit operable to authenticate the device based on the first identification information in response to a request from the device;

a generating unit operable to generate third identification information including a one-time ID that is used to connect the device to a second information processing apparatus, the second information processing apparatus operable to hold setting information required to connect the device to a network;

a second storage unit operable to store the third identification information in association with the second identification information;

a first sending unit operable to send the third identification information to the device;

a first receiving unit operable to receive the third identification information from the second information processing unit; and

a second sending unit operable to send the second identification information to the second information processing apparatus;

~~wherein the first identification information includes a device ID and a pass phrase;~~

~~wherein the second identification information includes a product code and a serial number;~~

~~wherein the third identification information includes a one-time ID, the one-time ID being generated in the authenticating unit; and~~

~~wherein the setting information includes an Internet service provider connection ID and a password~~

upon acquiring the device ID and the pass phrase, the information processing apparatus determines the product code and the serial number prior to storage in the first storage unit.

27. (currently amended) An information processing apparatus operable to hold setting information required to connect a device to a network, comprising:

a first storage unit operable to store the setting information for connecting the device to the network in association with second identification information;

a first receiving unit operable to receive third identification information from the device, the third identification information including a one-time ID generated in the first information processing apparatus;

a first sending unit operable to send the received third identification information to a first information processing apparatus, the first information processing apparatus being operable to authenticate the device based on first identification information, the first identification information including a device ID and a pass phrase;

a second receiving unit operable to receive second identification information from the first information processing apparatus, the second identification information includes a product code and a serial number; and

a second sending unit operable to send the setting information stored in association with the received second identification information to the device;

wherein the first identification information includes a device ID and a pass phrase;

wherein the second identification information includes a product code and a serial number;

wherein the third identification information includes a one-time ID, the one-time ID being generated in the first information processing apparatus; and

wherein the setting information includes an Internet service provider connection ID and a password.

28. (currently amended) A device operable to be connected to a network based on setting information, comprising:

a first storage unit operable to store first identification information, the first identification information including a device ID and a pass phrase;

a requesting unit operable to request a first information processing apparatus to authenticate the device based on the first identification information stored in the first storage unit;

a first receiving unit operable to receive third identification information from the first information processing apparatus, said third identification information being stored in the first information processing device in association with second identification information, the third identification information including a one-time ID generated in the first information processing apparatus, and the second identification information including a product code and a serial number;

a first sending unit operable to send the received third identification information to a second information processing apparatus; and

a second receiving unit operable to receive the setting information from the second information processing apparatus;

~~wherein the first identification information includes a device ID and a pass phrase;~~

~~wherein the second identification information includes a product code and a serial number;~~

~~wherein the third identification information includes a one-time ID, the one-time ID being generated in the first information processing apparatus; and~~

~~wherein the setting information includes an Internet service provider connection ID and a password.~~

29. (previously presented) The information processing system of claim 1, wherein the first information processing apparatus is a device authentication server.

30. (previously presented) The information processing system of claim 1, wherein the second information processing apparatus is an ISP download server.

31. (previously presented) The information processing system of claim 1, wherein the third information processing apparatus is a router.

32. (new) The information processing system of claim 1, wherein the setting information includes an Internet service provider connection ID and a password.

33. (new) The information processing system of claim 1, wherein the one-time ID is generated as a result of authentication of the device.

34. (new) The information processing system of claim 33, wherein the one-time ID contains no information relating to the third information processing apparatus or the first information processing apparatus.

35. (new) The information processing system of claim 1, wherein the first information processing apparatus determines the product code and the serial number based on a product registration number received.

36. (new) The information processing apparatus of claim 26, wherein the setting information includes an Internet service provider connection ID and a password.

37. (new) The information processing apparatus of claim 27,

wherein the setting information includes an Internet service provider connection ID and a password.

38. (new) The device of claim 28, wherein the setting information includes an Internet service provider connection ID and a password.